Work Order ID 60162 - 2

June 28, 2010 11:49:19 AM

Item ID:

D4132-041

Revision ID:

Item Name:

Wearplate, LH Fwd

Start Date:

6/29/10

Start Qty: 2.00

Required Date: 7/15/10

Req'd Qty: 2.00



Accept



Accept

Qty

Setup Start

Page

Stop

Reference:

Approvals:

Process Plan:

QC:

Date:/

Date:

Tooling:

SPC (Y/N):

Set Upx

Run Hours

Date: Date:

Tool#

Cust Item ID:

Customer:

Start Run

Reject

1310-6-29

Qty

Stop

Reject

Number



Insp.

Stamp

Sequence ID/ Work Center ID

Description

Draw Nbr D4132

A

100

Waterjet

FLOW CNC Waterjet

304.00

Operation

Revision Nbr

FLOW WATER JET

Memo 1-Cut D4132a1F as per Dwg D41.

Dwg Rev:

Prog Rev:

2-Deburr if necessary

0.00

1810-6-21

Plan

Code

110

QC

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Mema

0.00

0.00

120

Quality Control

Memo

QC8- Inspect parts - second check

W/O:		WORK OF	RDER CHANGES					
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			2					

Part No: D4132-041	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:	
Resolution:		Disposition:	QA: N/C Closed:	Date:	

NCR: 60	0162		WORK ORDE	ER NON-CONFORMANC	E (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
10.10.06	100	Design changed. PARTS NO LONGER CORRECT	C poot	SCRAP PID.10.06 NEW PARTS MADE TO REV. B	10.10.06	5 10/10/07	0,000 Stal2	10.50.0
			0004	· · · · · · · · · · · · · · · · · · ·				

June 28, 2010 11:49:20 AM

Item ID:

D4132-041

Revision ID:

Item Name:

Wearplate, LH Fwd

Process Plan:

Start Date:

Reference:

Approvals:

6/29/10

QC:

Start Oty: 2.00

Required Date: 7/15/10

Reg'd Qty: 2.00



Accept

Setup Start

Stop



Cust Item ID:

Customer:

Tool ID

Date:

Date:

Start



Stop

Sequence ID/ Work Center ID

130

Brake NC

Brake NC

Operation Description

Form as per dwg

NC BRAKE

Date:

Date:

0.00

0.00

Tooling:

SPC (Y/N):

Set Up/

Run Hours

1- Form using DT Die as per Dwg D4132

+9641

QC5- Inspect part completeness to step on W/O

Tool # Plan Code

Accept Oty

Reject Otv

Run

Reject Number

Insp. Stamp

18 10:07.13 oracoly

140

Quality Control

Memo

0.00

0.00

9,6.07.14

150

Large Fab Large Fab

Weld per dwg. A/R. Hardcoat S.S. Batch:

Large Fab

Memo

0.00

0.00

Weld hard surface using DT

as per QSI 004 and Dwg D4132

W/O:		WORK ORDER CHANGES	3				, . ,
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approvat QC Inspector
woloali3	130	had to open lobe at .311 to match with the 19	80	10/07/13	3	107.13 OSI 042	

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:	
Resolution	on:	Disposition:	QA: N/C Closed:	Date:	

		WORK ORD	ER NON-CONFORMANC	E (NCR)			
	Description of NC		Corrective Action Section B		Verification	Approval	Approval
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
							E
	STEP	STEP Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Description of NC Section A Initial Action Description Sign & Verification Section C	STEP Description of NC Section A Portion Section B Section A Portion Chief English Action Description Sign & Section C Chief English Chief Eng

June 28, 2010 11:49:20 AM

Item ID:

D4132-041

Revision ID:

Item Name:

Wearplate, LH Fwd

Start Date: 6/29/10 Start Oty: 2.00

Operation

Required Date: 7/15/10 Reg'd Qty: 2.00

Reference:

Approvals: Process Plan:

QC:

Date:

Date:

Description QC10- Inspect visual per QS1004- ground welds

QC5- Inspect part completeness to step on W/O

Memo

Sequence ID/

Work Center ID

Quality Control

170

160

Memo

Quality Control

180

Powdercoat

Powder Coating

Grey Sandtex(Ref: 4.3.5.6) per QSI005 4.3

Memo START TIME:

OVEN TEMPERATURE:

Accept



Setup Start

Stop



Cust Item ID: Customer:

Date:

Date:

Run Start

Stop

Tool ID

Tool# Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

0.00

0.00

Tooling:

SPC (Y/N):

Set Up/

Run Hours

0.00

0.00

0.00

0.00

FINISH TIME:

W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approvat QC Inspector
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Davit Na		DAD #	Fault Cata		NCD: Vos	Na D	24.	Data	
Part No		PAR #:							
	H	esolution:						Date: _	
NCR:	,		WORK ORD	ER NON-CONFORMA	1875	n <i>)</i>		,	,
DATE	STEP	Description of NC	Initial	Corrective Action Sect Action Description	ion B Sign		fication	Approval	Approval
	220.70	Section A	Chief Eng	Chief Eng	Date		ction C	Chief Eng	QC Inspector

June 28, 2010 11:49:21 AM

Item ID:

D4132-041

Revision ID:

Wearplate, LH Fwd Item Name:

6/29/10 Start Date:

Start Qty: 2.00 Req'd Qty: 2.00

Operation

Description

Accept

Setup Start

Stop



Required Date: 7/15/10 Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Set Up/

Run Hours

0.00

Date: Date:

Cust Item ID:

Customer:

Tool ID

Reject

Qty

Stop

Sequence ID/ Work Center ID

190

Memo

QC3- Inspect Part Finish

0.00

Quality Control

200

Small Fab

Memo

0.00

0.00

1- Bond D4132-3 gasket to inner surface of wearplate using a thin layer of 3M

1300/1300L scotch grip adhesive

Batch:

Memo

QC5- Inspect part completeness to step on W/O

0.00

0.00

Quality Control

Run

Start

Tool # Plan

Code

Accept Qty

Reject

Insp.

Number Stamp

Small Fab

210

W/O:			WO	RK ORDER CHANGE	S				
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approvat QC Inspector
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:	
	Re	solution:	Disposition	:	QA: N/C C	losed:		Date:	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCI	R)			
DATE	CTED	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sect	ion C	Chief Eng	QC Inspector

June 28, 2010 11:49:21 AM

Item ID:

D4132-041

Revision ID:

Item Name:

Wearplate, LH Fwd

Start Date: Required Date: 7/15/10

6/29/10

QC:

Start Qty: 2.00 Reg'd Qty: 2.00

Operation

Packaging

Description



Accept



Setup Start

Stop



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals: Process Plan:

Date: Date: Tooling:

SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Start Run

Number Stamp

Insp.

Reject

Stop

Reject

Qty

Accept

Qty

Sequence ID/ Work Center ID

220

Packaging Packaging

Memo

Identify as per dwg & Stock Location:

Set Up/ Run Hours

0.00

0.00

230

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

mf 10-10-04

W/O:			W	ORK ORDER CHANG	ES					8 90 3 4
DATE	STEP	PRO	CEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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						_				
Part No	:	PAR #:	Fault Cate	gory:	NCR	: Yes N	lo DQA	۸:	_ Date: _	
	R	esolution:	Dispositio	n:	_ QA:	N/C Clo	sed:		Date:	
NCR:		1	WORK ORD	ER NON-CONFORMA	ANCE	(NCR)				
DATE	STEP	Description of NC			ion B	0: 0	Verific	ation	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector

· · Picklist Print

, June 28, 2010 11:49:19 AM

Work Order ID: 60162

Parent Item: D4132-041

Parent Item Name: Wearplate, LH Fwd



Start Date: 6/29/10

Required Date: 7/15/10

Start Qty: 2.00 Required Qty: 2.00

Comments:

IPP Rev:A 10.06.24 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4132-3 Gasket	III	Manufactured	No			200	Each	0.0000		2			
M304S18GA		Purchased	No			100	sf	132.8779	1.555	3.273684	4.	665	
304/316 :050 Sheet											18 10	x6-8	f
				Location		Loc C		Loc Code					
				MAT20		132.8	779						
					111743		8.86					13	
					112885	28.0	179					0	
					113062		96			13067			

Page 1

rospace	Ltd							7
		WO	RK ORDER CHANGE	S				a 3 .
STEP	PRO	OCEDURE CHAP	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	Description of NC		Corrective Action Section	n B	Vorifi	cation	Annroyal	Approval
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date			Chief Eng	QC Inspector
	STEP	PAR #: Resolution:	STEP PROCEDURE CHAN PAR #: Fault Category Resolution: Disposition WORK ORDE STEP Description of NC Section A Initial	STEP PROCEDURE CHANGE PROCEDURE CHANGE PAR #: Fault Category: Resolution: Disposition: WORK ORDER NON-CONFORMA STEP Description of NC Section A Corrective Action Section Section A Corrective Action Description	WORK ORDER CHANGES STEP PROCEDURE CHANGE By PAR #: Fault Category: NCR: Yes Resolution: Disposition: QA: N/C CI WORK ORDER NON-CONFORMANCE (NCF STEP Description of NC Section A Section B Sign 8	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date Date PAR #: Fault Category: NCR: Yes No DQ Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC Section A	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date Qty Date Qty STEP PAR #: Fault Category: NCR: Yes No DQA: Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr Date: PAR #: Fault Category: NCR: Yes No DQA: Date: Resolution: Disposition: QA: N/C Closed: Date: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC Section A Section B Section C Section

DART AEROSPACE LTD	Work Order: 60 162
Description: WEARDLAGE LH FWD	Part Number: D 4(3) - 64
Inspection Dwg: 14132-1 Rev:	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype							
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments	
300X 300	1/2 ,010	302×303	6				
806. 5	1.005-001	.204	+	•			
, 415	4/ .010	,413	8				
.87	4 .030	,823	>	4 1 1			
2.74	4 .030	2.731	No.				
4.65		4.638	4				
5.655		5.054	٤				
5.47	4 .030	5.467	*				
8.05		8.043	*	-			
315	4 .00	-372	X-	-	-		
1.92	4 ,630	1.917	8				
5.09	144	5.099	5			-	
9.832	TO A STATE OF THE PARTY OF THE	9.874	4				
11.92		11.97	+				
14.54	Lii	14.549	0				
19.77		14.773	>				
21.92	and the second s	21.97	災				
23.60	3 4 .00	23,613	×				
27.99	3 1 .010	27.953	Ye.				
1.10	today .	1.092	+		1	Fo	
4.3	A section of the sect	4.361	×				
11.7		11.79	2		-		
0.61		17.64	×				

Measured by: B Audited by: Prototype Approval: N/A

Date: 10-6-39

Date: 10/06/36

Date: N/A

	D-4-	Change	Revised by	Approved
Rev	Date	Change	KJ/JLM	
Α		New Issue	TOTOLIN	

SHOP COLY

RETURN TO

ENGINEERING

UNCONTROLLED COPY
SUBJECT TO AMENDMENT

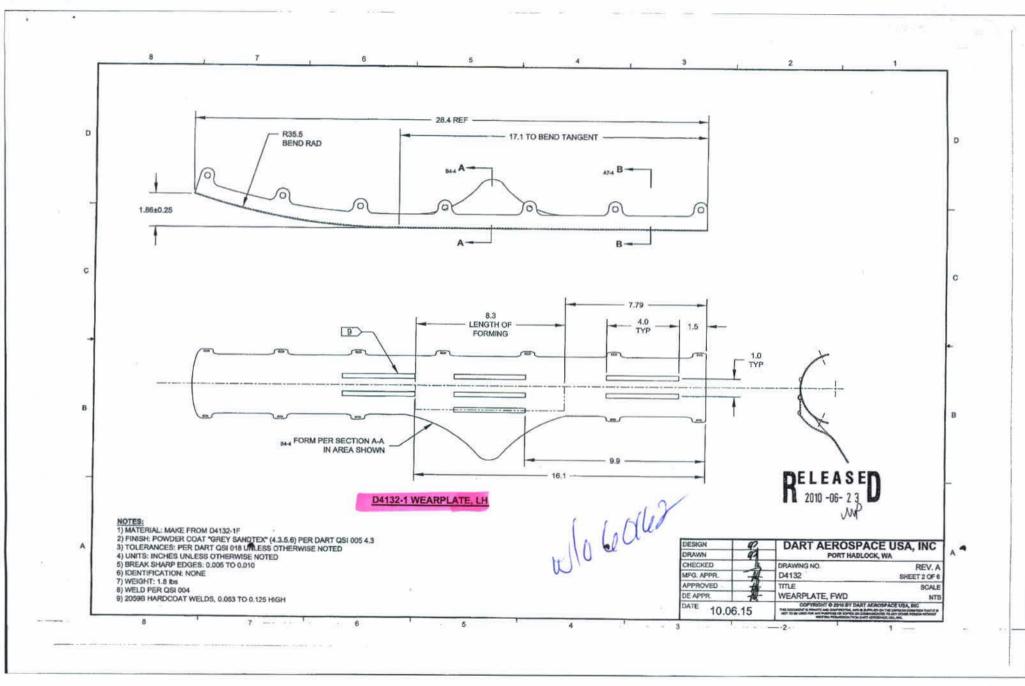
QTY QTY PART NUMBER DESCRIPTION

O41 042

X D4132-041 WEARPLATE. WEARPLATE, LH FWD WEARPLATE, RH FWD X D4132-042 WEARPLATE 1 D4132-2 1 D4132-3 WEARPLATE GASKET A/R A/R 1300 / 1300L 3M SCOTCH-GRIP ADHESIVE D B D4132-3 GASKET D4132-1 WEARPLATE D4132-041 WEARPLATE, LH FWD D4132-3 GASKET 8 D4132-2 WEARPLATE D4132-042 WEARPLATE, RH FWD NOTES: 1) MATERIAL: N/A A NEW ISSUE CP 10,06.15 REV. DESCRIPTION BY DATE 2) FINISH: N/A DESIGN DART AEROSPACE USA, INC 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED DRAWN PORT HADLOCK, WA 4) UNITS: INCHES UNLESS OTHERWISE NOTED 5) BREAK SHARP EDGES: N/A CHECKED DRAWING NO. REV. A 6) IDENTIFICATION: IDENTIFY WITH DART P/N *D4132-xxx* USING YELLOW PAINT MARKER ON INSIDE SURFACE MFG. APPR. D4132 SHEET 1 OF 6 7) WEIGHT: -041/-042 = 2.1 lbs APPROVED TITLE SCALE 8) BOND D4132-3 GASKET TO INNER SURFACE OF WEARPLATE USING A THIN LAYER OF 3M 1300/1300L DE APPR WEARPLATE, FWD NTS SCOTCH GRIP ADHESIVE COPYRIGHT © 2010 BY DART AEROSPACE USA, INC DATE 10.06.15

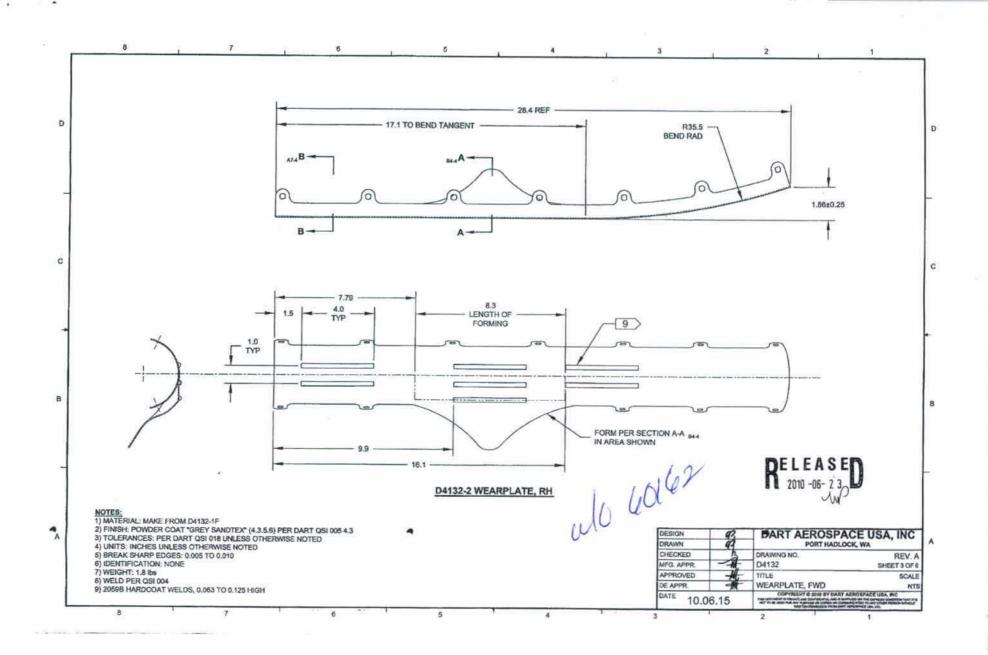
Dart Ae	rospace Ltd							
W/O:			WORK ORDER	CHANGES				, · · ·
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Category:	NCR: Yes	s No DQ	A:	Date: _	
	Resolution:		Disposition:	QA: N/C	Closed:		Date:	
NCR:			WORK ORDER NON-CON	FORMANCE (NO	R)			
			Corrective Actio	n Coation B				

NCR:			WORK ORDE	ER NON-CONFORMANO	CE (NCR)			
		Description of NC	Corrective Action Section B			Verification	Approval	Approva
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
						2		



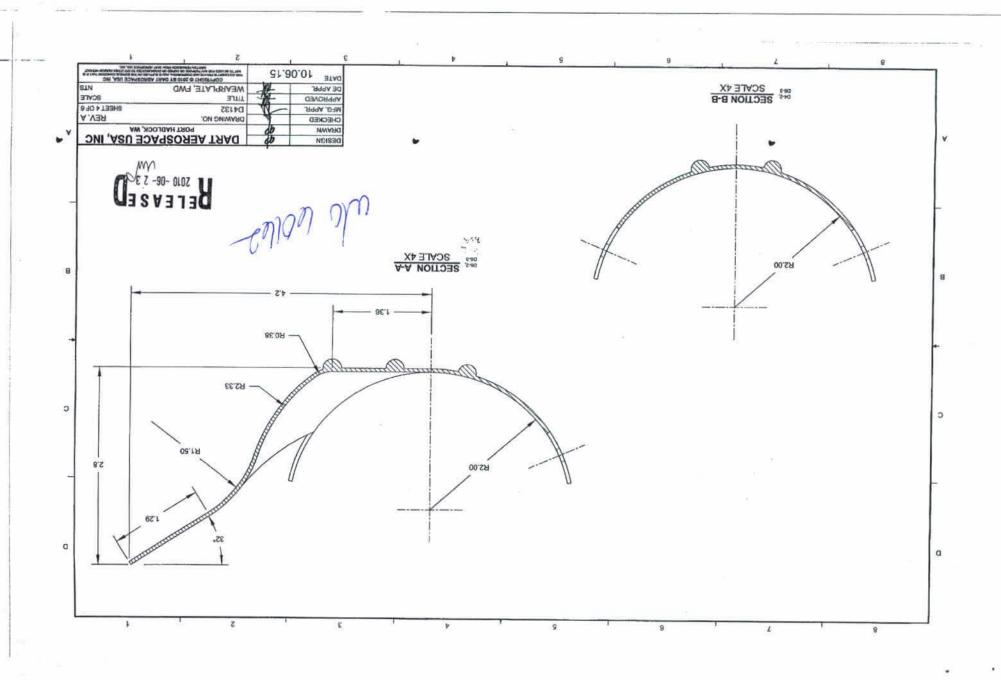
Dart Ae	rospace Ltd							9 9
W/O:			WORK ORDER	CHANGES				g (4)
DATE	STEP	PR	OCEDURE CHANGE	В	y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:			WORK ORDE	ER NON-CONFORMANO	CE (NCR)			
		Description of NC	3)	Corrective Action Section B		Verification	Annessal	Anneousl
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector



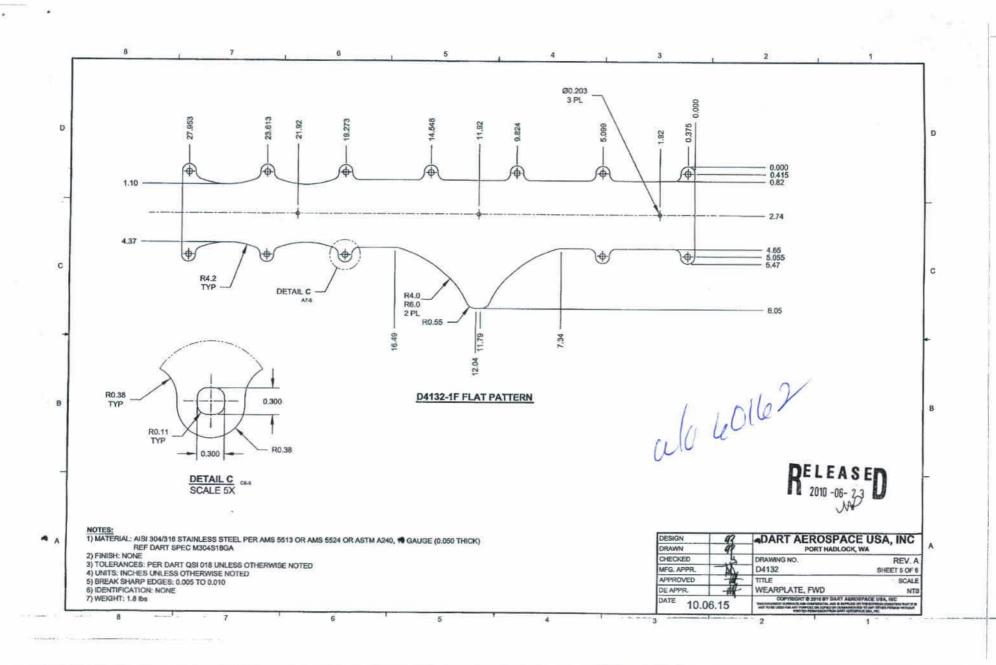
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NCR:			WORK ORD	ER NON-CONFORMANC	E (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	



Dart Ae	rospace Ltd							
W/O:			WORK ORDER	CHANGES				e - 2 - x
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:			WORK ORDI	ER NON-CONFORMANO	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector

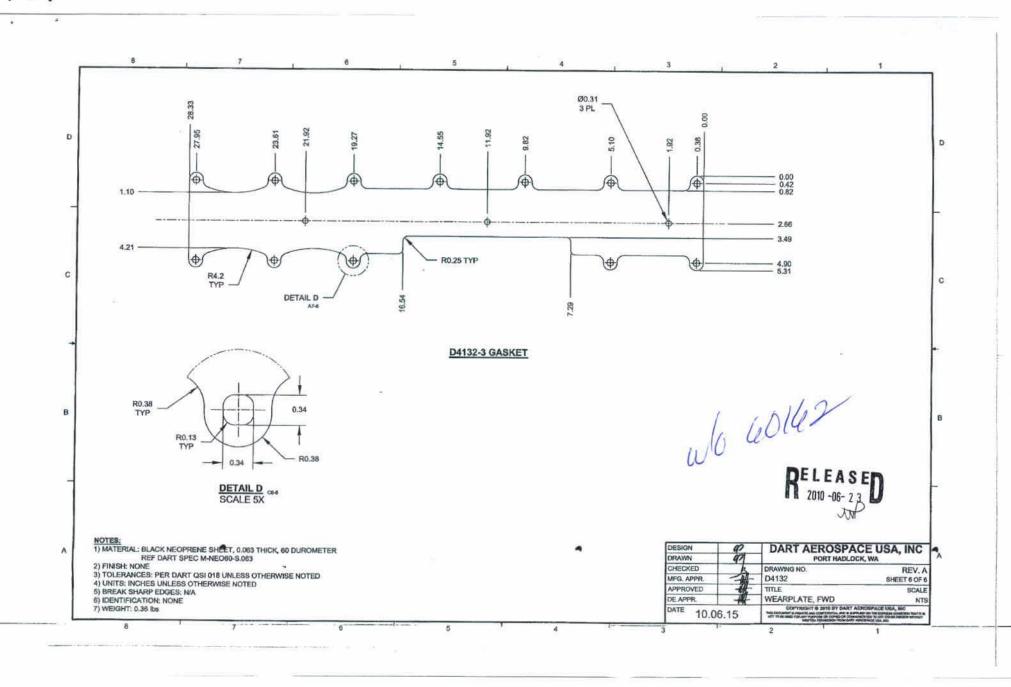


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DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approvat QC Inspector
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		olution:			QA: N/C Closed:		sed:	Date:	
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DATE		Description of NC	Corrective Action		Section B		Verification	A	
	STEP	Section A	Initial	Initial Action Description		Sign &	Sign & Section C	Approval	Approval

DATE		Description of NC Section A		Corrective Action Section B	Verification	Annvoyet	Ammuoval	
	STEP		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector



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W/O:			WORK ORDER	CHANGES				
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approvał QC Inspector
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DATE	STEP	Description of NC		Corrective Action Section B	Varification	Accessor	A			
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